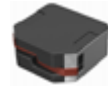


TOKO DEM3518C SAMPLE KIT DATA SHEET

DEM3518C



Features

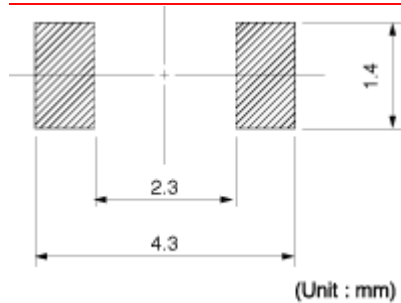
- Low profile (3.5x3.7mm Max. square, 1.2 and 1.8mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications. (DVC, DSC, Cellular phone, PDA)
- RoHS compliant.
- Halogen free.

Electrical characteristics

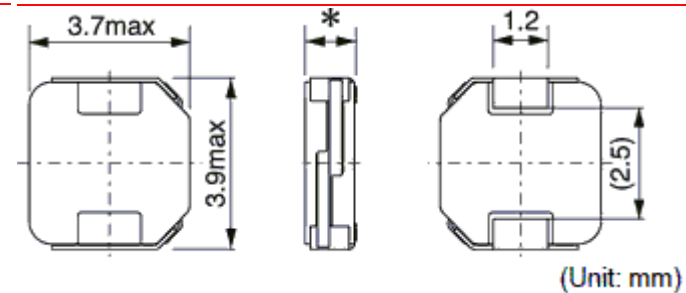
Inductance range

DEM3518C : 0.56~22 μ H

Recommended pattern



Dimensions



* .DEM3518C : 1.8mm Max.

TOKO DEM3518C SAMPLE KIT DATA SHEET

<u>TOKO PART NUMBER</u>	<u>INDUCTANCE (μH)</u>	<u>TOLERANCE (%)</u>	<u>DC RESISTANCE (mΩ) Max. (Typ.)</u>	<u>Temperature Rise Current⁽³⁾ T=40C (A) Max. (Typ.)</u>	<u>QUANTITY PER SAMPLE BOX</u>
1231AS-H-R56N	0.56	+/-30	29 (24)	3.40 (4.00)	5
1231AS-H-1R2N	1.2	+/-30	36 (30)	2.90 (3.40)	5
1231AS-H-1R5N	1.5	+/-30	42 (35)	2.70 (3.20)	5
1231AS-H-2R2M	2.2	+/-20	48 (40)	2.55 (3.00)	5
1231AS-H-3R3M	3.3	+/-20	60 (50)	2.25 (2.70)	5
1231AS-H-4R7M	4.7	+/-20	72 (60)	2.00 (2.45)	5
1231AS-H-6R4M	6.4	+/-20	102 (85)	1.65 (2.00)	5
1231AS-H-100M	10.0	+/-20	174 (145)	1.25 (1.50)	5
1231AS-H-120M	12.0	+/-20	186 (155)	1.20 (1.45)	5
1231AS-H-150M	15.0	+/-20	222 (185)	1.10 (1.30)	5
1231AS-H-220M	22.0	+/-20	342 (285)	0.88 (1.05)	5

1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)